July 1994

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355C VHE ATTENUATOR

OF WATT FOR DO PROKARD

OFFERMENT OF PROKARD

4.200.00

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Selow Selow

Key Components of Modern Receiver Design-Part 3



See You at the National Arlington, Texas, June 10-12

June 1994

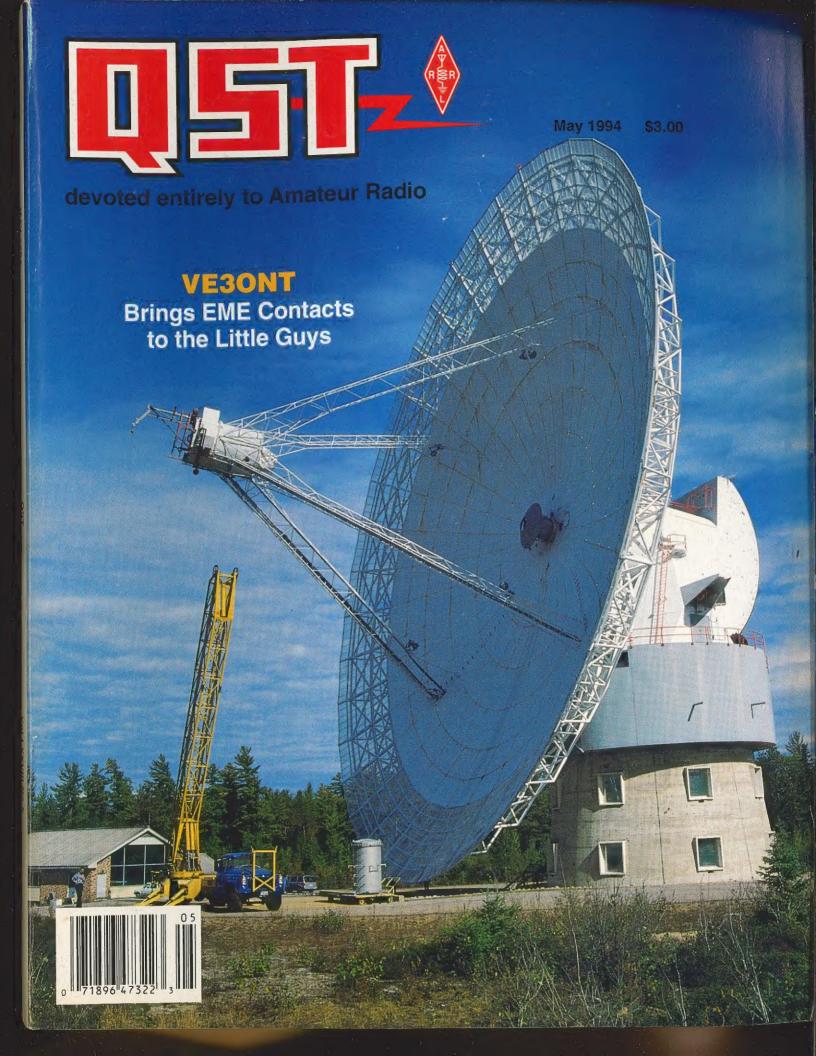


Outdoors and **Amateur Radio!**

Field Day and the June VHF **QSO Party**



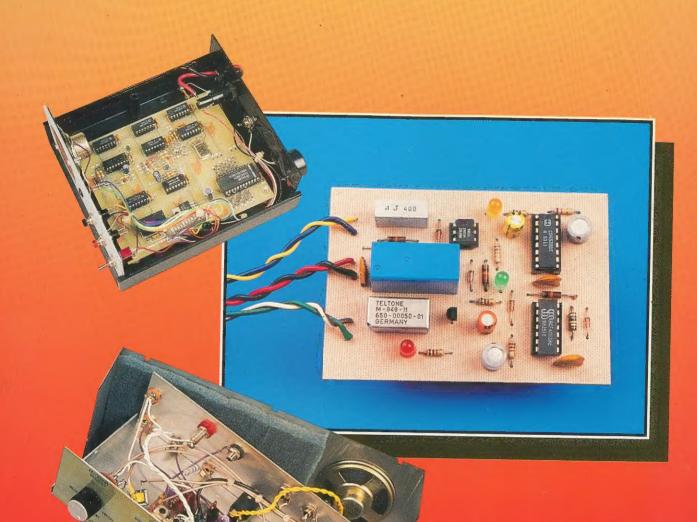






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Build it Yourself.
Try Something
New. This Issue is
Packed with Projects!





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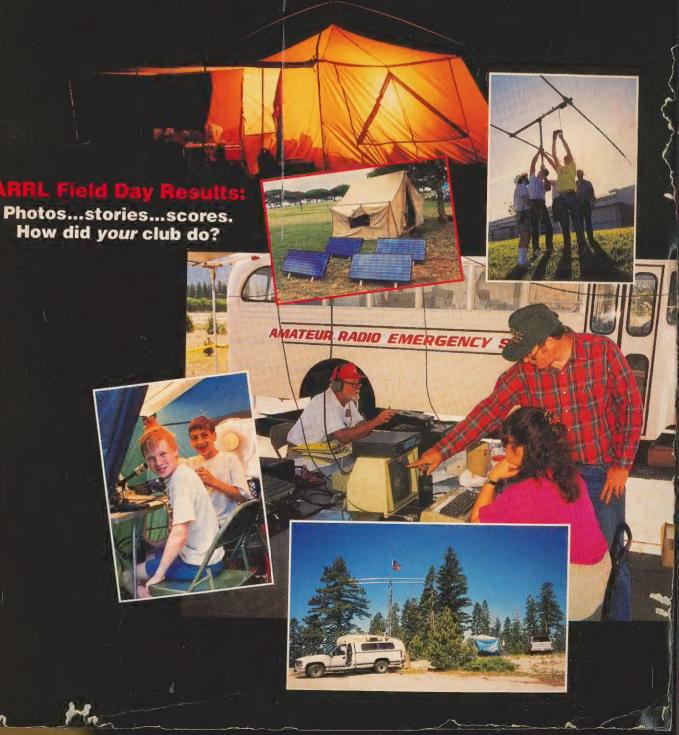


Cellular Radio

Technology:

Powerful, portable and a potential new direction for Amateur Radio!





October 1991 \$3.00



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Record-Breaking Scores in the '91 ARRL International DX Contest!

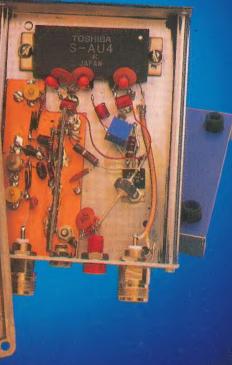


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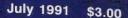


Move Up to 432!













All-ham space shuttle crew sees fast-scan TV from Earth and talks to students worldwide





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FIELD DAY 1991 June 22-23



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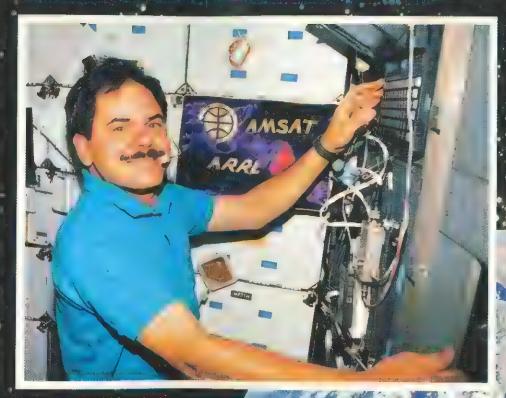
MARS Supports
Desert Storm Troops







Ham Astronaut Dr Ron Parise, WA4SIR, on SAREX: "It's the Ultimate DXpedition!"









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AMSAT OSCAR (9)
Rises to the Ghallenge

GET ON THE FUND-DRIVE BANDWAGON:



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GET ON THE FUND-DRIVE BANDWAGON

A maritime mobile adventure







1988 ARRL NATIONAL CONVENTION
YOU ARE INVITED—SEPT 9, 10 11





PORTLAND, OR
"The City of Roses"













Speaks loudly—With a whisper of drive

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3...2 I i... blastoff

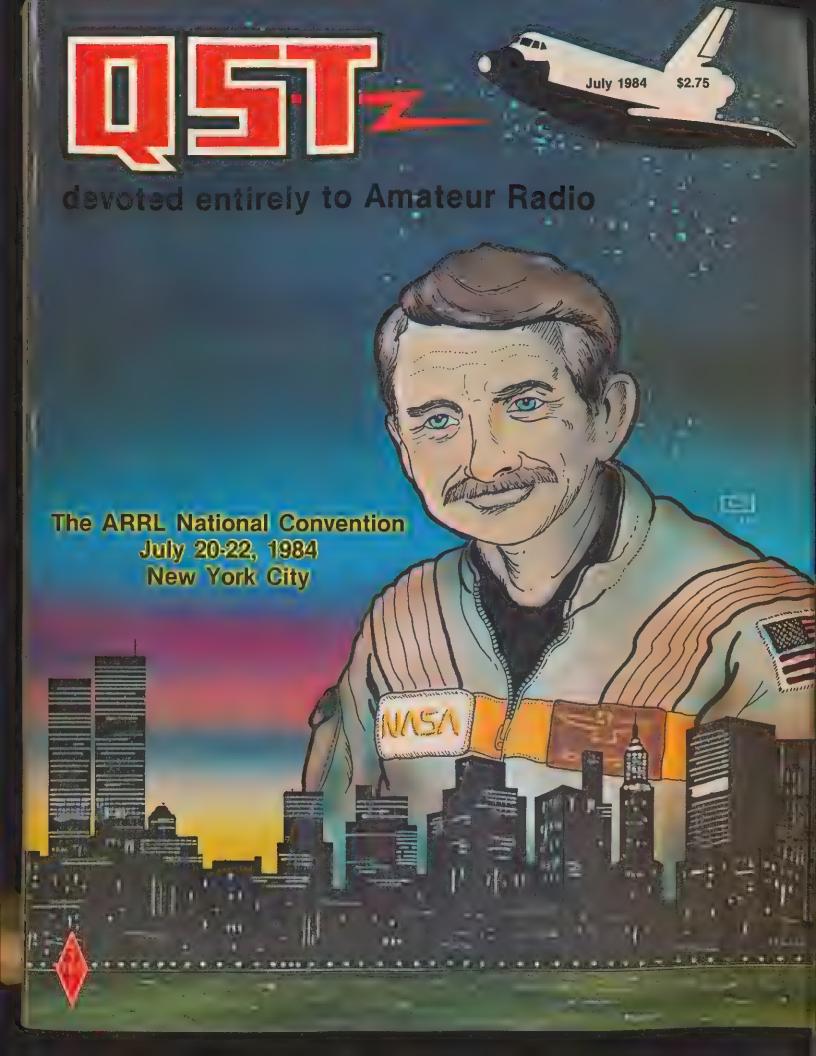
Page 22

GET ON THE FUND-DRIVE BANDWAGON





OSCAR 9: Alive and Well



Upgraded 40-m beam enhances W1AW tower







Build this 20-in, 700-out amplifier and gain some respect on 2 meters

February 1904 \$2.75

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Have you worked W5LFL lately?

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Victor C. Clark, W4KFC 1917-1983

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The New W1AW Really Shines!



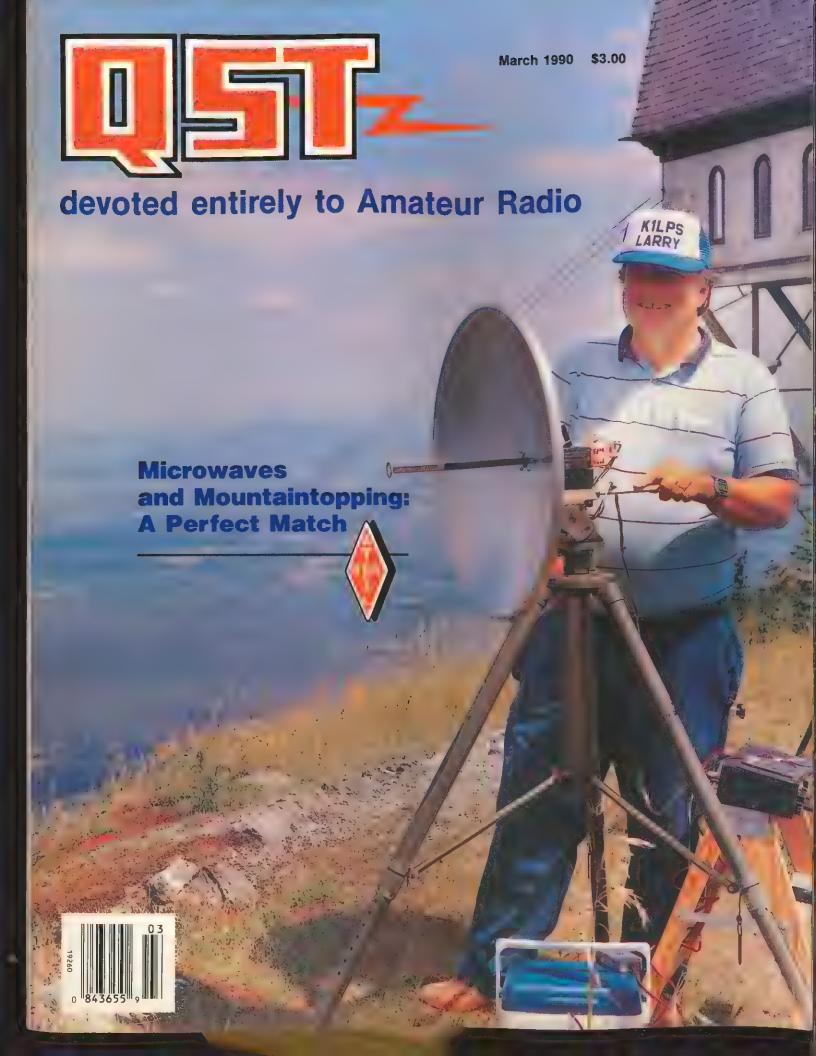
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Microsats Fly!

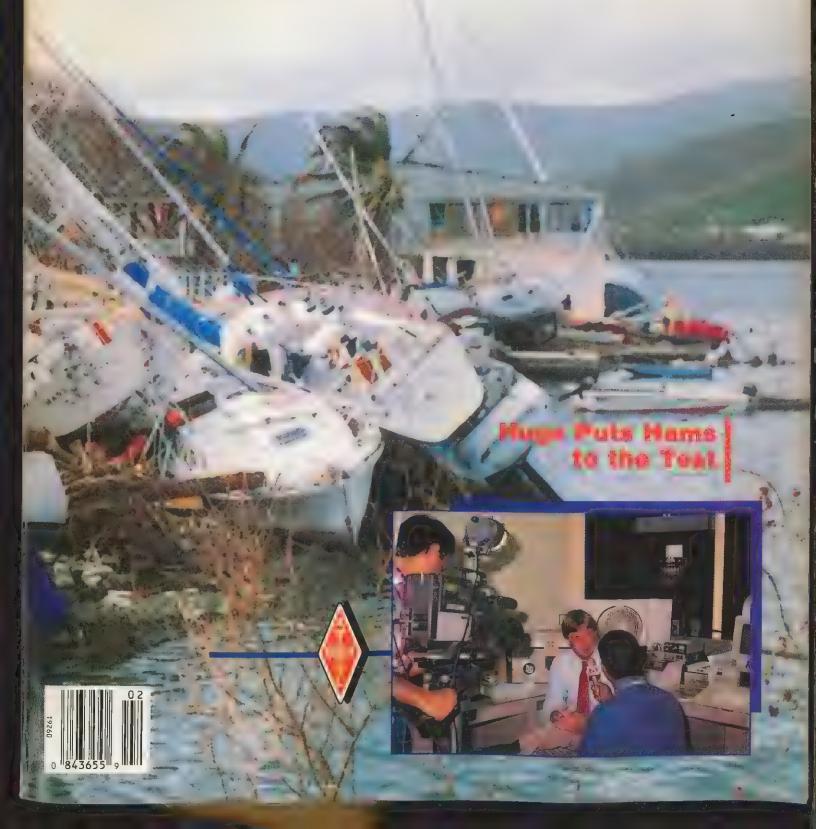


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what does the future hold?

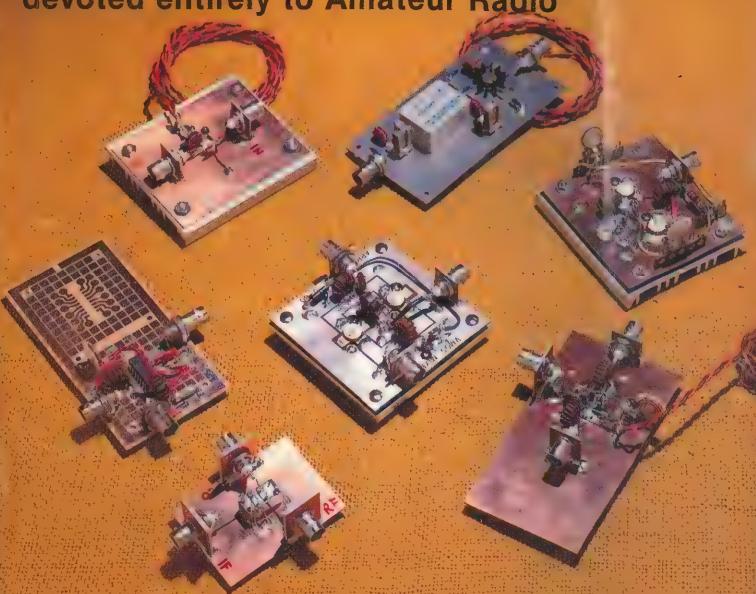






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High Dynamic Range Mixers



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The ARRL flag

March 1982 \$2.50

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Amateur Radio links wilderness Samily to "lower 49"

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irely to Amateur Radio



Not on 220 yet?





AMEE MONOTALE DES COMMUNICATIONS CORLO CO-MENSICA DE LEAR

TOO MINICACIONES



1961 National Convention
Houselin Texas

Amateur Radio shines at Jambo '85

Looking for a directional 220-MHz antenna?



September | 1982 | \$2.50

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Hams go Hot Air Mobile

Page 13



April Frank





ANNEE MONDIALE DES COMMUNICATIONS WORLD COMMUNICATIONS YEAR AÑO MUNDIAL DE LAS COMUNICACIONES



VHF QSO Party Results

Page 82

Fun and games

May 1986 \$3.00



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Shooting the moon

May 1987

teur Radio



Are you ready for Field Day?

EME, with gusto!

Page 54 and 81



June 1978 \$2.00

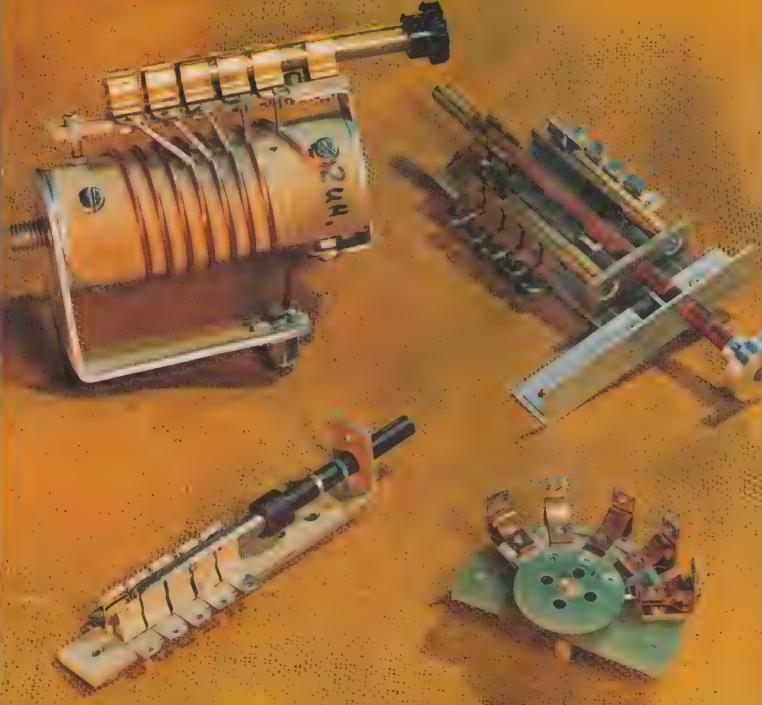




How safe is your ham shack? Are you being zapped by rf radiation?

Page 11





ANNEE MONDIALE DES COMMUNICATIONS WORLD COMMUNICATIONS YEAR AND MUNDIAL DE LAS



Switches from the junkbox

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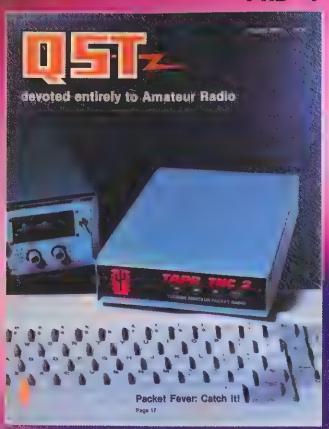


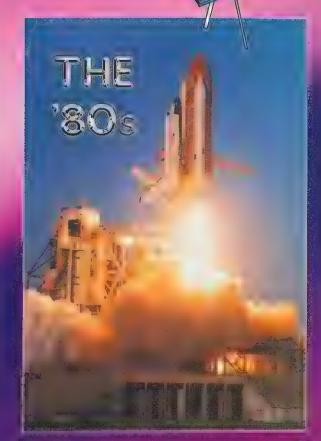
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PRB-1





W5LFL and W#ORE Operate from Space









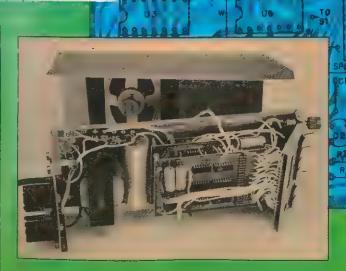






THE '70s



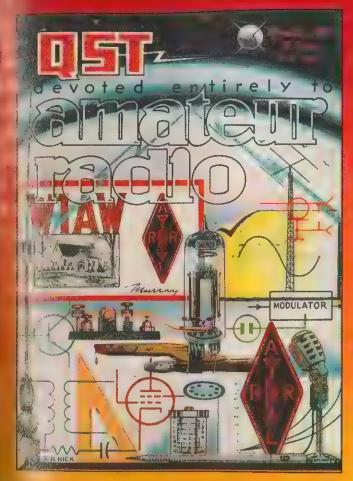


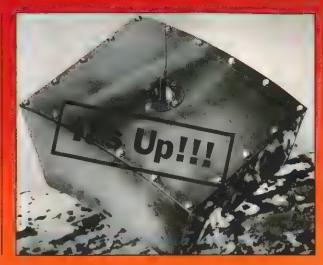


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HIRAM PERCY MAXIM
CO-FOUNDER
AND FIRST ARR
PRESIDENT

FIRST DAY OF ISSUE





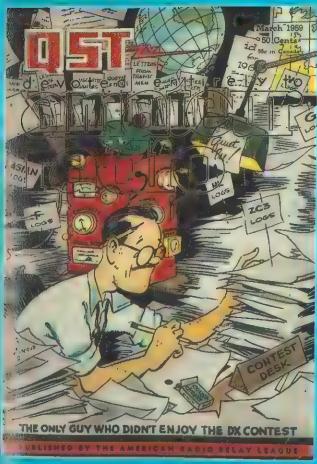




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A NEW BAND EFFECTIVE MAY 1, 1952

21.1 21.2 21.3

THE **250** s















Microsat: AMSAT's Hi-Tech Wonders
Prepare for Orbit





April 1986

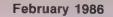
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Tright mountaintopping lake

Page 49



\$2.75

PANAMA

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VENEZUELA

NEVADO DEL RUIZ

VOLCANO

COLOMBIA

BRAZIL

Amateurs come through
—again— in wake of volcano disaster

Page 13

PERU

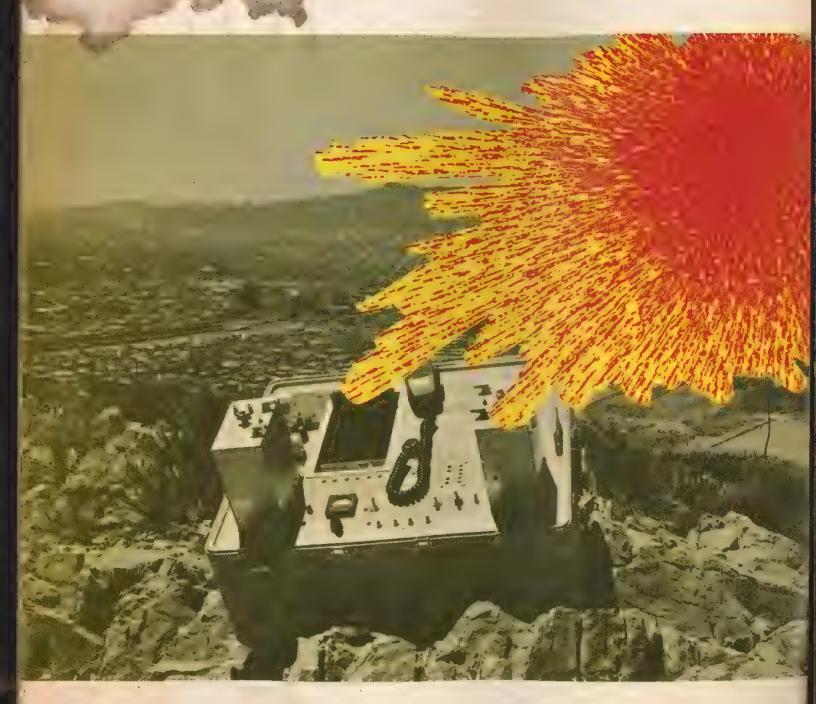


July 1978 \$2,00





January 1978 \$2.00





Energy from the sun powers El Paso repeater!





The Ups and Downs of Towers

Page 35 🔩



National Convention, Orlando March 13-15, 1981



March

1978

\$2.00





What's behind those alluring numbers?



April 1978 \$2.00





A 20-meter receiver on a circuit board! You can build it.

NOT NOW ...

\$3.00

NOT NOW ...

WHAT IS IT ?!

CQ FIELD DAY, CQ FIELD DAY



1990 FIELD 1990 PODUNK DAY-PODUNK HOLLOW A.R.C.

MN MW W INA

JIM MASSARANZEST



September 1993 \$3.00

N7MZW

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WO7Y

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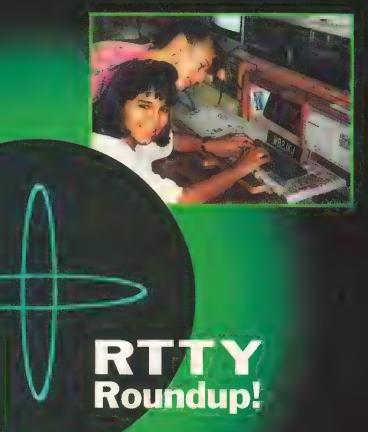
KEZNL

Five-Band Worked **All States!**



August 1993 \$3.00

www.ca.cattrepy.co.Amateur Radio





68 TEST CQ TEST CQ TEST DE MELJ MELJ MELJ KEK

ESC: Henu Alt-H: Help



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1993 National Convention

Huntsville, Alabama August 14-15





Blast off to Huntsville, "The Rocket City"

June 1993 \$3.00



Roving: VHF/UHF Contesting With A View





May 1993 \$3.00



in Microwave Technology







How to get nelp from unto manufacturers.

March 1988 :

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Track the SKITREK team



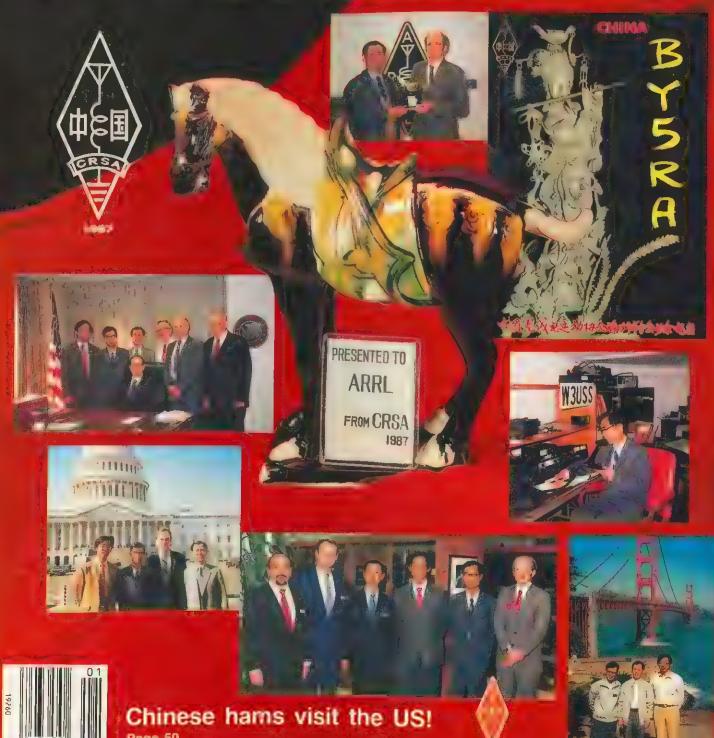






Two ICs, two bands and easy listening!









Happy holidays to all!





ARRL's great fall lineup!









LICENSE MANUAL



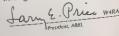
"We the Leople"

In recognition of the participation by the Arraeur Radio Service in the celebration of the Bicentennial of the United States Constitution:

Has submitted log extract testimony to the American Radio Relay League of having established two-way Amateur Radio communication

With Amateur Radio stations in each of the fifty states of the United States of America

During the period September 17, 1987, through December 31, 1988.





Need wallpaper?

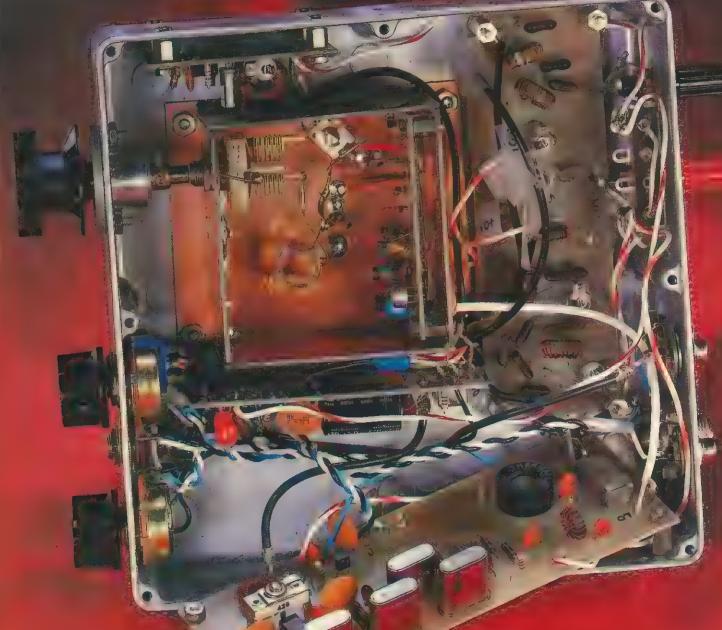
September 1987

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DX Test-ing on Lord Howe

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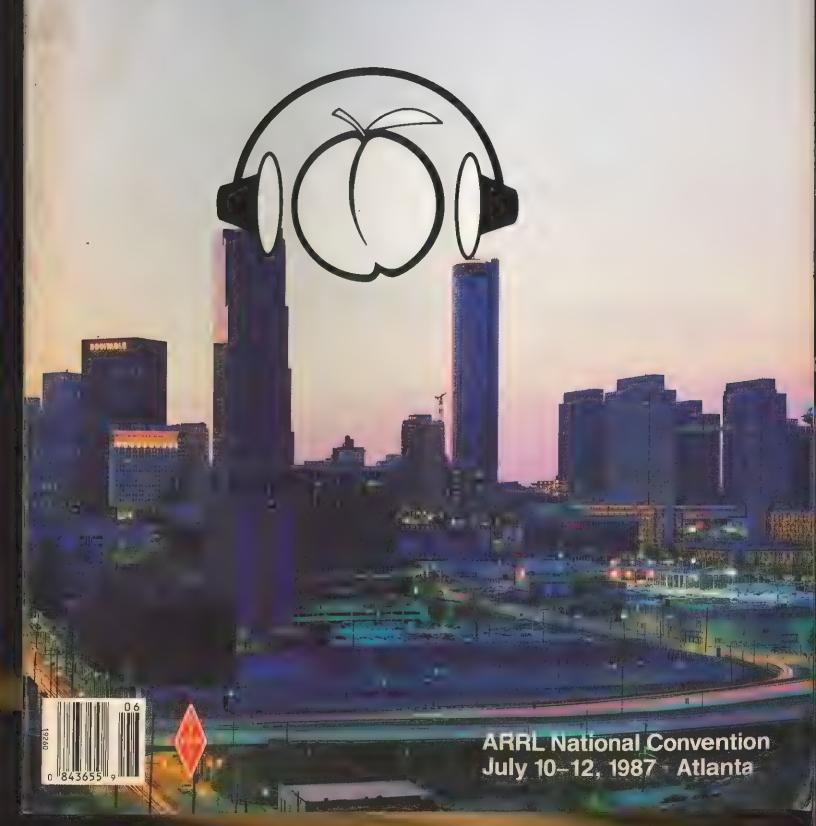




Crystal filters—simply

Page 24























MIC GAIN IN BY PANT



• RF POWER





How Much is Enough?



Soule Space Mir in the US





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Picture this: Color SSTV!





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Season's Greetings











It was a dark and stormy Field Day...





Explore Amateur Radio on the World Wide Web

Field Day June 24-25

FIVE PROJECTS you can build at home

OST reviews:

Kenwood TM-255A 2-meter all-mode

Force 12 C-3 Tribander

New Ham Companion:





AMATEUR RADI

Exclusive test results: "9600-Ready" Radios: Ready or Not?

QSTI reviews: Azden PCS-9600D 440-MHz data/voice transceive **Autek RF Analyst;** MFJ-432 voice keyer

mpanio 13 pages of

practical. information for all hams

Rius . Build a digital VFO Logging software roundup IRRL November Sweepstakes sults...and more!

AMSAT Phase 3D atellite untdown continues

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August 111)4

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Forward to the Past: Restoring Vintage Radios With a Passion!





INCONS — lilter parts for pennies



Official Journal of The American Radio Relay League

AMATEUR RADIO

QST raviews:

Alinco DX-70T HF mobile radio Morse code trainers

Build two effective wire antennas

VHF conte roving

New Ham Companion:

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Season's Greetings

Official Journal of The American Radio Relay League

Jacob devoted entirely to AMATEUR RADIO

QST compares 8 dual-band FM mobiles

Build something for your station:

- compact 20-meter QRP transceiver
- simple direction-finding system
- broadband 160-10 meter antenna
- microphone switchbox

Plus...

- Travel to Syria with the YKØA team
- · How to succeed in Sweepstakes with low-profile antennas

...and more!



Field Day Results

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Official Journal of The American Radio Religion Language



Comparison reviews: GPS-compatible TNCs and Antenna Modeling Software

Bosnian Hams Cope with the War

ANTENNAS:

- A trapless multiband HF vertical
- A simple, remotely switched loading network

Ham Radio at the 1995 Special **Olympics**

> 1995 ARRL **DX Contest Results**

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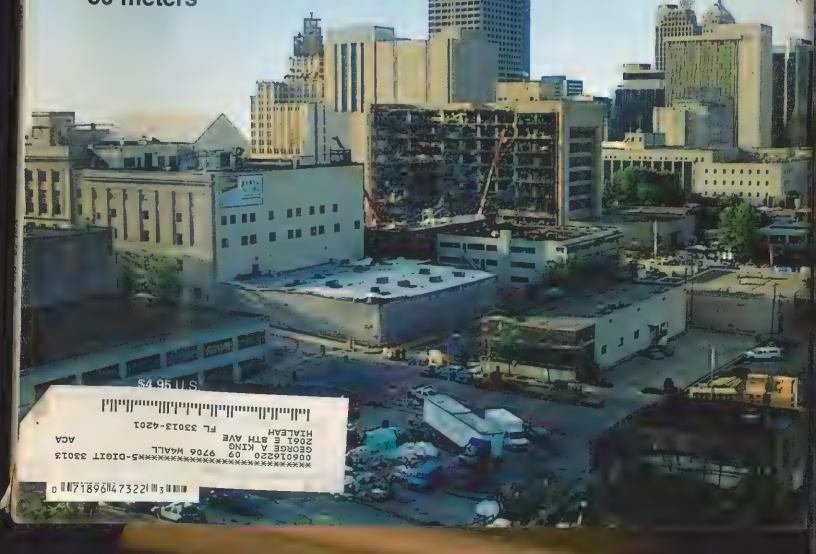
Holocaust in Oklahoma City: Hams serve relief agencies and the public in the aftermath

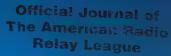
QST reviews the JRC JST-245 HF/6-meter transceiver

Build a low-noise receiving antenna for 160 and 80 meters

New Ham Companion

15 pages of practical information for all hams







Comparison review: Five dual-band hand-helds

Build a simple audio filter or a wideband 80-meter dipole

Plus...

- Part 2 of our World Wide Web series
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WAGITC's solar-powered ham shack

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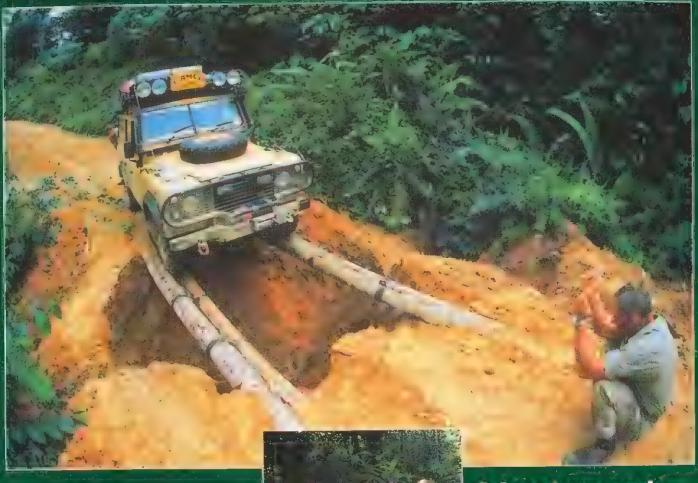
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Adventure and Amateur Radio in the jungles of Malaysia: G4SMC/9M6 and the '93 Camel Trophy!

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Direction Finding—Automatically





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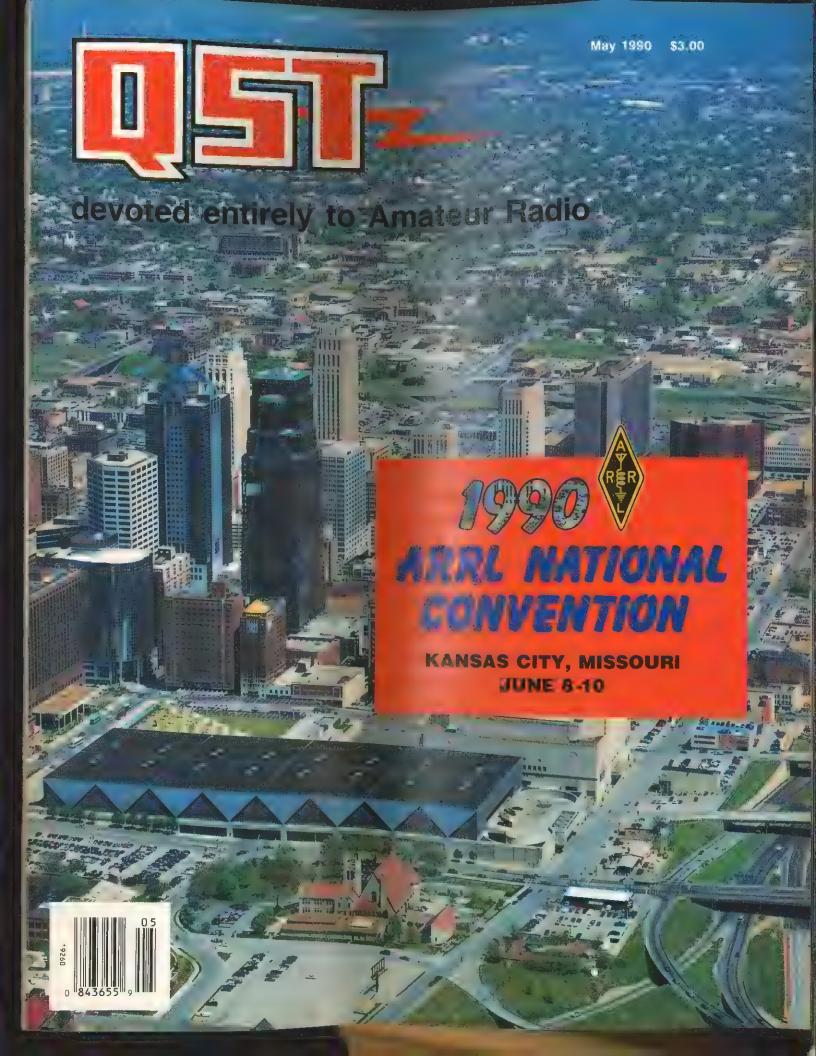


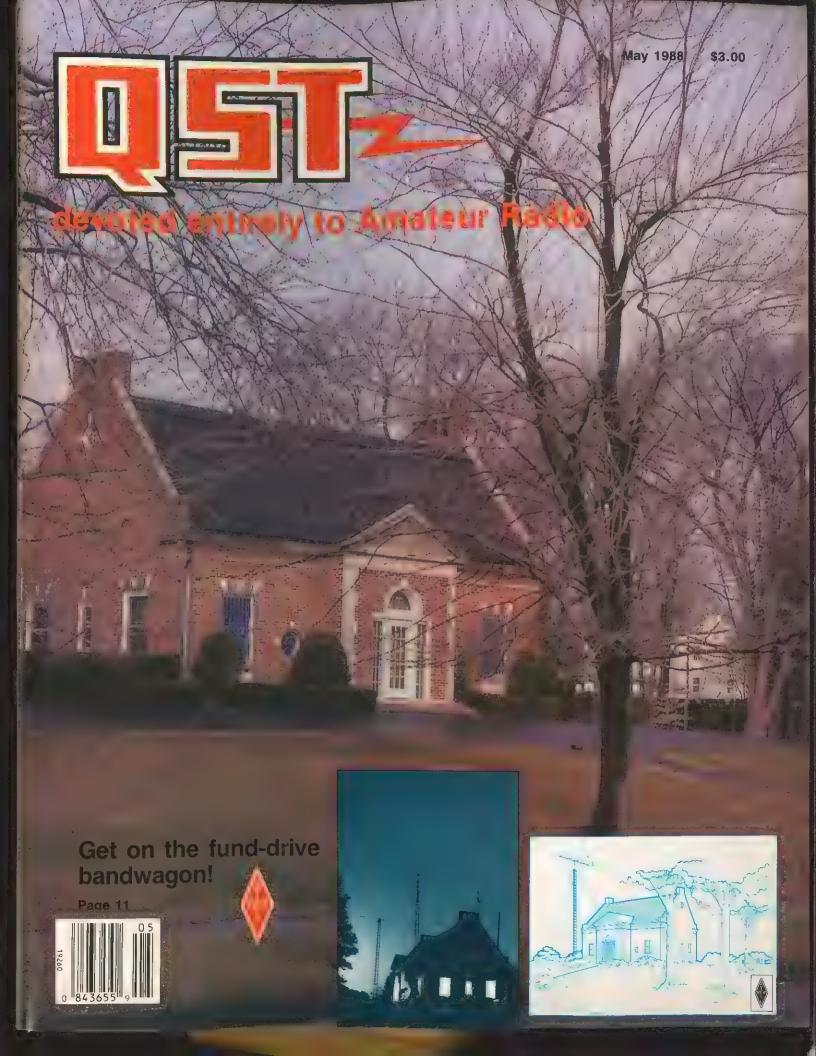




FIELD DAY











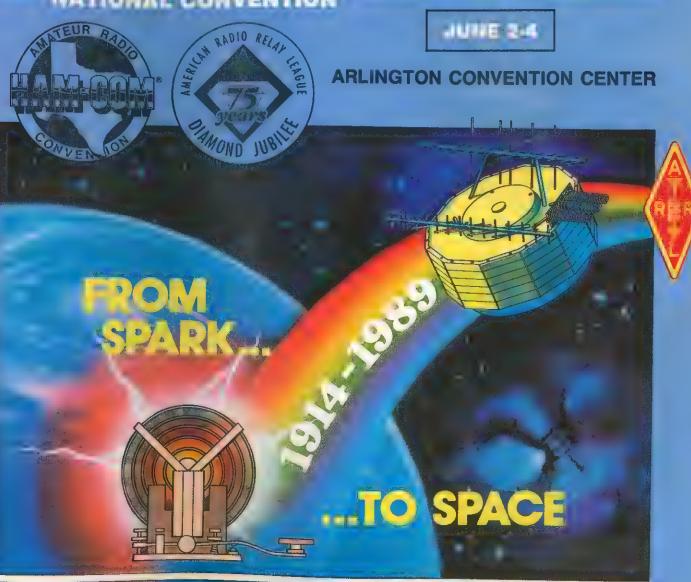




ARRL DIAMOND JUBILEE NATIONAL CONVENTION

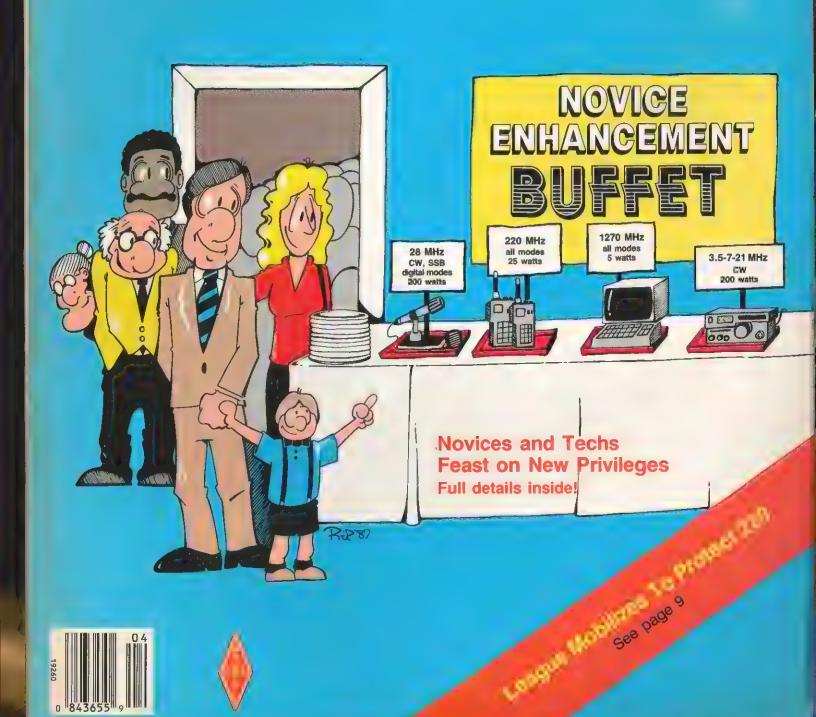


ARLINGTON CONVENTION CENTER









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FCC Adopts Novice Enhancement!







January 1987

\$3.00



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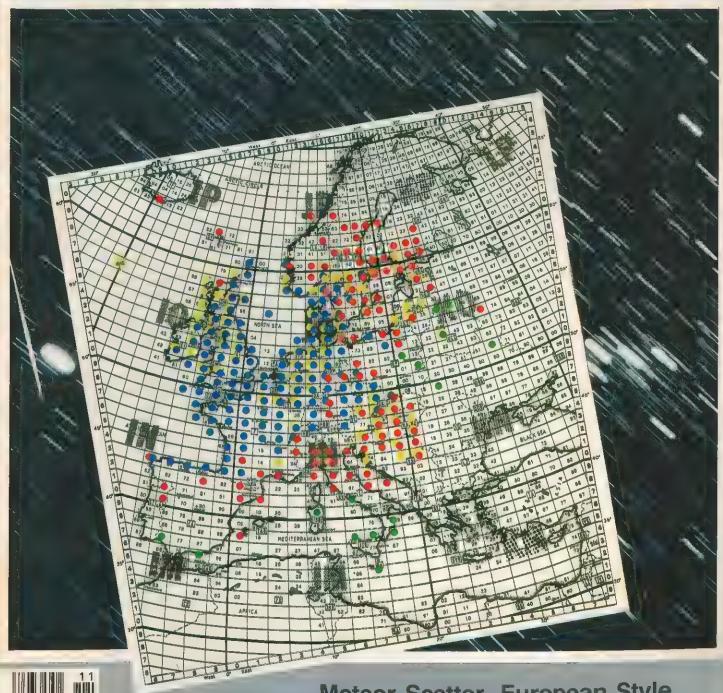
Reaching for the

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Meteor Scatter, European Style

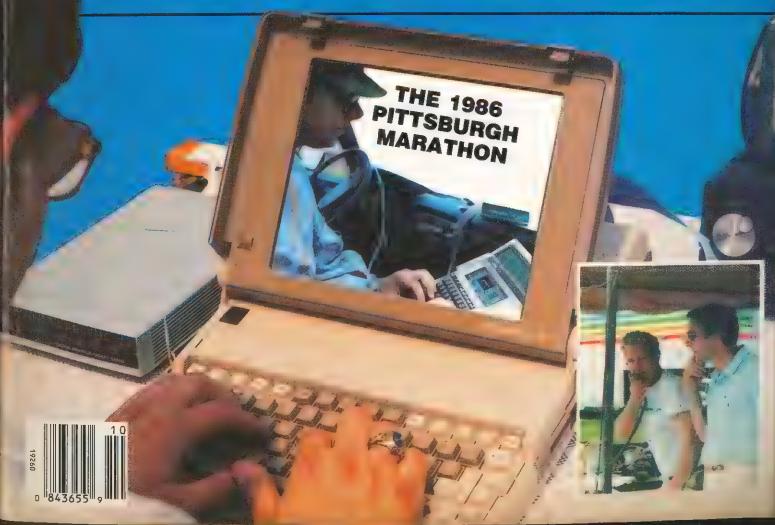


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Clipperton: Read all about it!

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C. Q. Pendley



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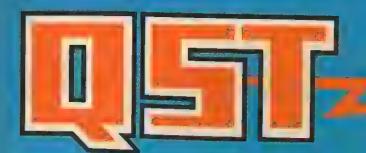


7

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Can you top this one?

Place 52





Santa E



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Belle III De



The Sardine Sender — have fun with this 3/4-watt 80-meter weekend project.





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September

1978

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NBVM

Narrow Band **Voice Modulation**

Spiraling technology provides more OSOs per Megahertz. That means better communications for you. Get in on the historic tests of this amazing breakthrough.







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Another great Field Day

Page 88 /

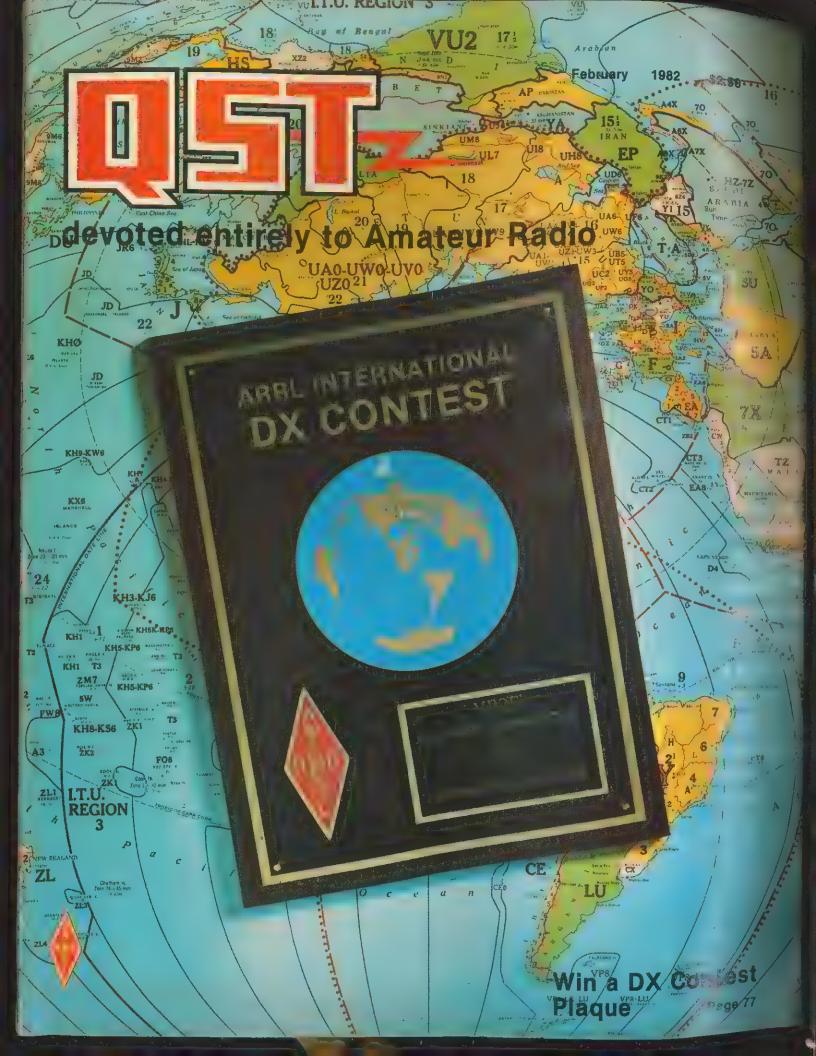
ANNEE MONDIALE DES COMMUNICATIONS WORLD COMMUNICATIONS YEAR

AÑO MUNDIAL DE LAS COMUNICACIONES



Phase IIIB: State-of-the-art OSCAR

Reaching new heights lo: Field Day



May 19.

12.50

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ANNEE MONDIALE D WORLD COMMUNICATIONS YEAR

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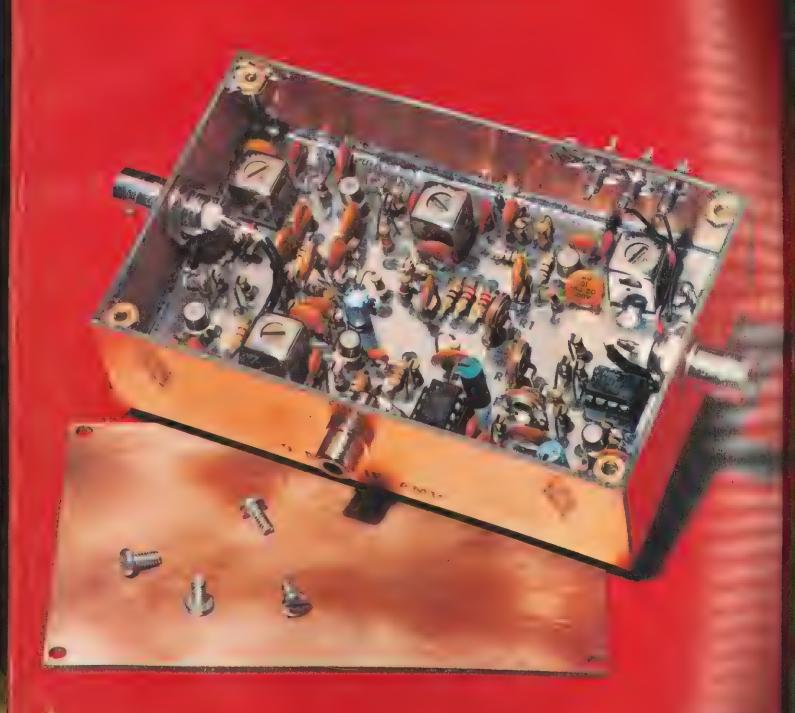
arelii Reene Station What's on their minds?

October

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Ghost-town DXing





A "discrete" i-f am, lifter



February

1978

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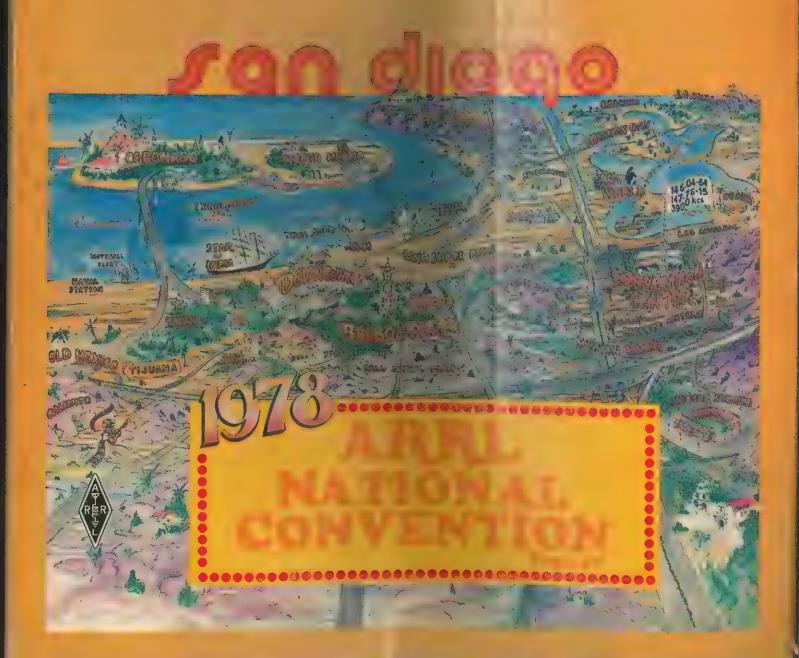




Radiosport Championship stresses Olympic ideal of world brotherhood.



August 1978 \$2.00



March 1979 \$2.00

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FCC issues all-important RFI inquiry

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The IARU "Project Goodwill" Transmitter



Field Day, 1978

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Sea Kayaking and Ham Radio: **Perfect Wilderness Companions**

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December 53.00

75 Years Serving Amateur Radio



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Field Day '90!





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Nashua Sana

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DXing with Lasers











July 1990 53.00

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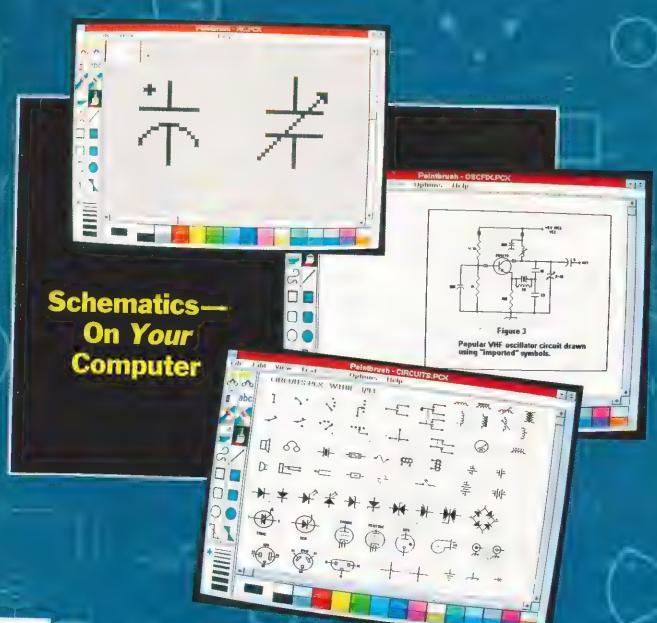


The Revolution Contesting



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FCC says
"VANITY"
CALL SIGNS

March 1995

Now Hear

Companion:

15 pages of
practical
information
for all hams

A high-frequency hybrid synthesizer QST reviews
ICOM's new dual-band
all-mode—the IC-820
—and Azden's AZ-61
6-meter FM hand-held

Microwaves:

- The San Bernardino Microwave Society turns 40
- ARRL 10-GHz Cumulative Contest results

\$4,95 U.S. \$5.95 Can.





Official Journal of The American Radio Relay League



February 1995

PUBLIC SERVICE EXCLUSIVE!

- MHAM RADIO at the **New York Marathon**
- Building a first-class communications van

Product Review: Yaesu's new FT-900AT **HF** mobile

New Ham Companion: Head for beginners only

- · Is your station **CHILD PROOF?**
- Build a simple 40-meter antenna

PLUS ..

- radio observations of two solar eclipses
- · bulle a simple but effective low-band receiving antenna
- WISP software—satellite tracking made simple...and more!

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Delte im Jeurnal et The Asperleus Rass. Belay Kengar



of eight 2-meter FM mobiles

Companion: 13 pages for beginners only

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Results of the August UHF and September VHF contests

Plus...

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- NVIS propagation
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VHF QBO Party: 5-band lun

www.j 19188

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How to work the first ham in space

Page 50

COMMUNICATION WORLD COMMUNICATION WORLD COMMUNICATION

1983





July 1980 \$2.50

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1980 National Convention Seattle Washington





Kids plus WØORE/Challenger add to a world of fun

Page 13

Ham Antennas
Ham Antennas
Get a Boost
Get Pages 9 and 60

October 198

devoted entirely to Amateur Radio



Another new band: 902 MHz is off and running

This 21





See you at the National Convention in Louisville, Oct. 4-6











August 1985

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Packet Fever: Catch It!



EME: You can do it!



SET: Preparing for the unexpected

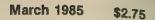


Operating RTTY









EME Contesters: Masters of Moonbounce



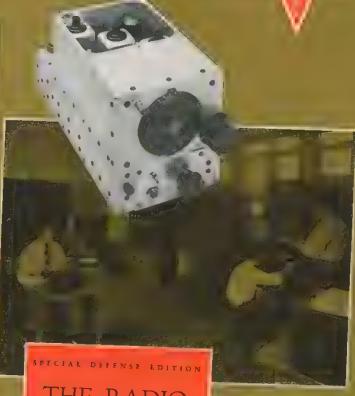
THE 40s

THE WARTIME YEARS







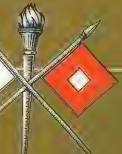












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THE 30s

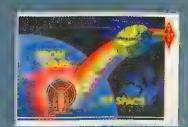


In this Issue— A Simplified Superiset

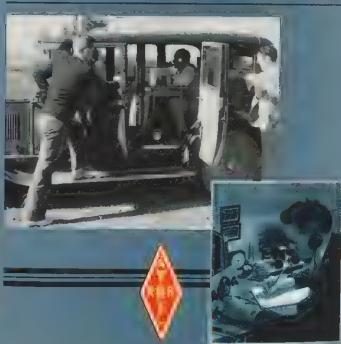
New Ideas on Exciter Design

More on Television







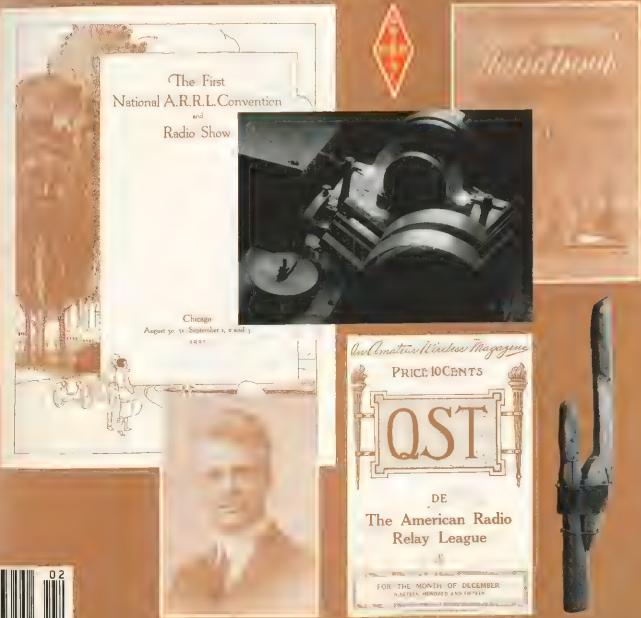








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VHF Contesting from IIII Ski Lifts of Blue Knob





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Season's Greetings



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GET ON THE FUND-DRIVE BANDWAGON



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The Beverage Antenna Classic





SPMIII

ANNEE MONDIALE DES COMMUNICATIONS WORLD COMMUNICATIONS YEAR



Phase III takes shape





ANNEE MONDIALE DES COMMUNICATIONS WORLD COMMUNICATIONS YEAR AND MUNDIAL DE LAS COMUNICACIDNES



Antennas - every ham's fancy



ARRL Antenna-Design
Competition:
The results are in

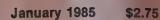


ANNEE MUNDIALE DES COMMUNICATIONS WORLD COMMUNICATIONS YEAR AND MUNDIAL DE LAS

AÑO MUNDIAL DE LAS COMUNICACIONES



The Space Shuttle Columbia rollout Are you ready for STS-9?



Hear the next ham/astronaut with this 10-m FM receiver



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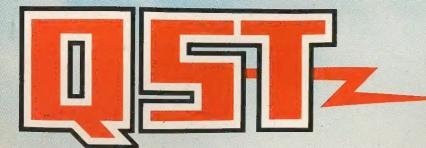


Field Day, 1984

Tiny ICs do big jobs

October 1984

\$2.75



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DX 'test on Jersey





Amateur Radio Shines at the XXIII Olympiad





